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APPLICANT: GUERIN-SCHMITT, Genevieve

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EXAMINER: Nichols II, R. K.

TITLE: TRANSMISSION DEVICE AND APPLICATION TO A METERING DEVICE

Amendment A: ABSTRACT AMENDMENTS

The Abstract has been amended as presented on the following pages:

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ABSTRACT OF THE DISCLOSURE

The A transmission device for transforming ~~at least~~ an oscillating movement into a unidirectional ~~motion into a~~ rotational ~~one-way linear~~ movement includes ~~an actuator oscillating about an axis of oscillation, between two positions, in a first so-called driving direction, and in a second so-called reverse direction, opposite the driving direction; a wheel provided with an axis of rotation, the axis of oscillation of the actuator and the axis of rotation of the wheel merging; a butt driving device for the wheel, secured to the actuator, capable of driving the wheel in a first so-called forward direction; and a butt locking device for the wheel, capable of preventing the wheel from rotating. A device dispenses controlled doses of a liquid, pasty or viscous substance, in particular a sealing product, using such a transmission device:~~ has an oscillating axle, an actuator connected to the oscillating axle so as to oscillating between a first position in a driving direction and in a second position in a return direction, a wheel having a rotational axle extending therefrom so as to be aligned with the oscillating axle, a driver driving the wheel by a bracing effect into a first direction, and a locker for locking the wheel by a bracing effect. The driver is slaved to the actuator. The locker prevents the wheel from rotating in a second direction opposite to the first direction. The wheel has a smooth circumferential edge.

Substitute copy

ABSTRACT OF THE DISCLOSURE

A transmission device for transforming an oscillating movement into a unidirectional rotational movement has an oscillating axle, an actuator connected to the oscillating axle so as to oscillating between a first position in a driving direction and in a second position in a return direction, a wheel having a rotational axle extending therefrom so as to be aligned with the oscillating axle, a driver driving the wheel by a bracing effect into a first direction, and a locker for locking the wheel by a bracing effect. The driver is slaved to the actuator. The locker prevents the wheel from rotating in a second direction opposite to the first direction. The wheel has a smooth circumferential edge.